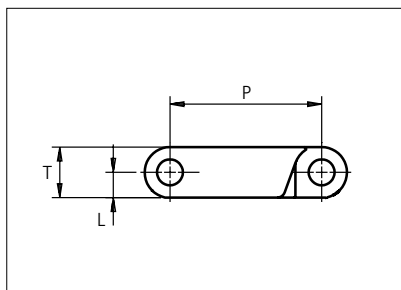




Plastic Modular Belt

Series **uni SSB** Type **22%**



Straight running belt
Nominal pitch: 38.1 mm (1.50 in)
Surface type: Flat
Surface opening: 22%
Backflex radius: 45.0 mm (1.8 in)
Pin diameter: 6.4 mm (0.25 in)

Belt material & color	POM-LF 	PP 		mm	in		mm	in
Pin and lock material & color	 PBT-GR   PP 		P (Nominal)	38.1	1.50	T	12.7	0.50
			L	6.4	0.25	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PP **W** SS304

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-LF/PBT-GR		PP/PBT-GR		POM-LF/PBT-GR		PP/PBT-GR			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
153	6.0	5508	1238	1989	447	1.7	1.16	1.1	0.76	2	2	2
229	9.0	8244	1853	2977	669	2.6	1.74	1.7	1.14	2	2	2
305	12.0	10980	2468	3965	891	3.4	2.32	2.3	1.52	3	3	2
381	15.0	13716	3083	4953	1113	4.3	2.89	2.8	1.89	3	3	2
457	18.0	16452	3698	5941	1336	5.2	3.47	3.4	2.27	4	4	2
533	21.0	19188	4313	6929	1558	6.0	4.05	3.9	2.65	4	4	2
609	24.0	21924	4929	7917	1780	6.9	4.62	4.5	3.03	5	5	3
685	27.0	24660	5544	8905	2002	7.7	5.20	5.1	3.41	5	5	3
761	30.0	27396	6159	9893	2224	8.6	5.78	5.6	3.78	6	6	3
838	33.0	30168	6782	10894	2449	9.5	6.36	6.2	4.17	6	6	3
914	36.0	32904	7397	11882	2671	10.3	6.94	6.8	4.55	7	7	4
990	39.0	35640	8012	12870	2893	11.2	7.52	7.3	4.92	7	7	4

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

1979	77.9	71244	16016	25727	5783	22.4	15.03	14.6	9.84	14	14	7
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Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

2968	116.9	106848	24019	38584	8674	33.5	22.54	22.0	14.76	20	20	10
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General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

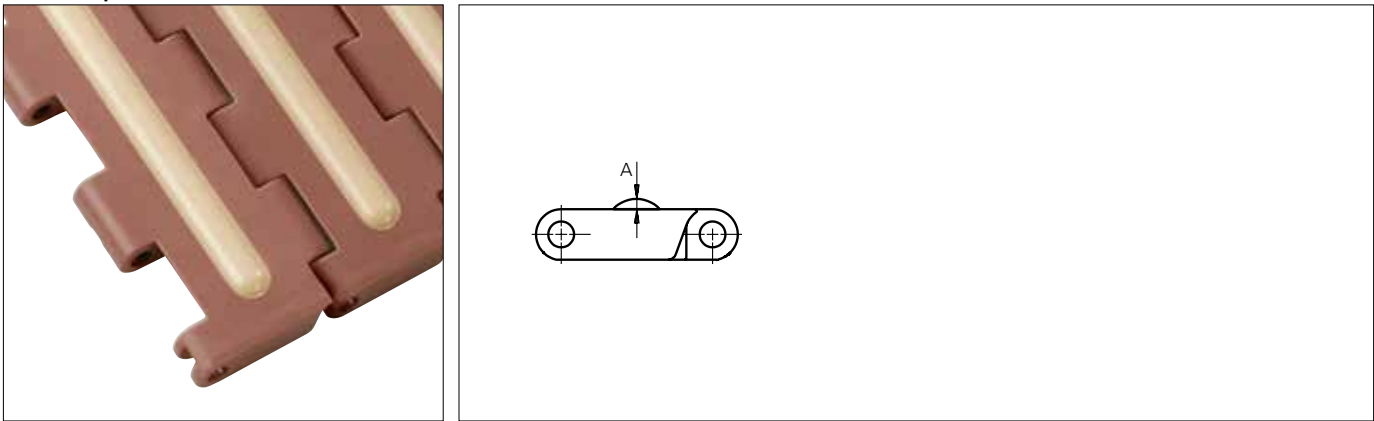
*Max. Load per Drive Sprocket. Belt material: POM-LF 2000 N (450 lbf), PP 1200 N (270 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

= Single Link

Accessories

Rubber Top

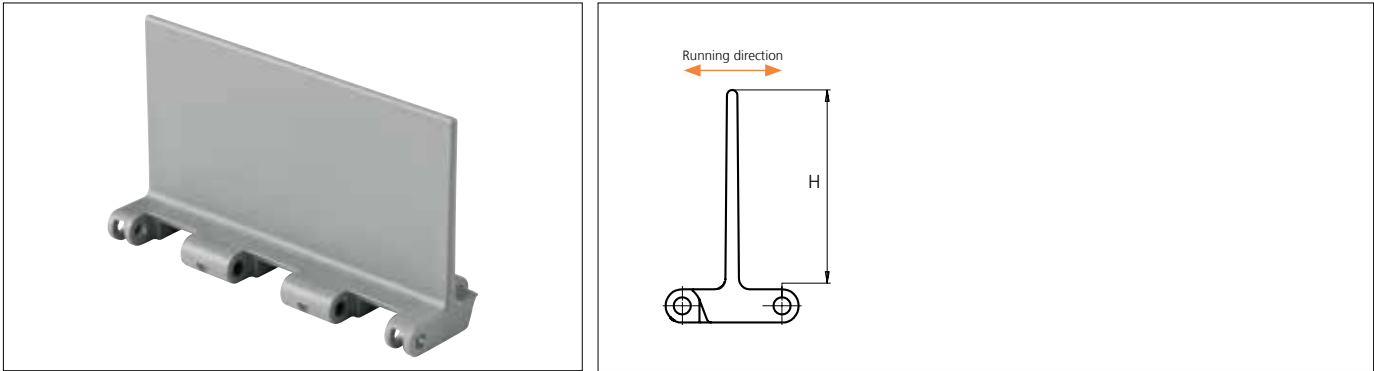


Type	Belt material & color	Rubber material & color	A		Link size	Width	
			mm	in		mm	in
Curved	POM-LF BR	05 I	2.5	0.10	K300	76.0	2.99
					K600	152.2	5.99

Non Standard material and color: See uni Material and Color Overview.

Accessories

Flight



Type	Flight Material & color	H		Link size	Width	
		mm	in		mm	in
Flat	PP-I G	76.1	3.00	K600	152.0	5.99

Non Standard material and color: See uni Material and Color Overview.
Minimum bricklaid indent is for uni SSB Product Support 50.8 mm (2.00 in)
Increment: 25.4 mm (1.00 in)

Sprocket

No of teeth	Pilot Bore	Bore size												Overall diameter		Pitch-diameter		Hub-diameter		A-dimen-sion		B-dimen-sion		Single row/Two way	Double row/Two way	PA6 LG	PA6 N
		in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in						
Z19	x					●	●	●	■	●				117	4.61	117.3	4.62	75	2.95	49.1	1.93	65	2.56	x	x	x	
Z21	x					●	●	●	■	●				130	5.12	129.3	5.09	75	2.95	55.4	2.18	71	2.80	x	x	x	
Z23	x					●	●	●	■	●				142	5.59	141.2	5.56	75	2.95	61.6	2.43	77	3.03	x	x	x	
Z25	x						●	●	■	●				155	6.10	153.2	6.03	75	2.95	67.8	2.67	83	3.27	x	x	x	
Z27	x							●	■	●				167	6.57	165.2	6.5	75	2.95	74	2.91	89	3.50		x		x
Z29	x							●	■	●				179	7.05	177.2	6.98	75	2.95	80.2	3.16	95	3.74		x		x
Z31	x							●	■	●				192	7.56	198.3	7.81	75	2.95	86.4	3.40	101	3.98		x		x

Non standard material and color: See uni Material and Color Overview.

■ Molded sprocket



● Molded sprocket



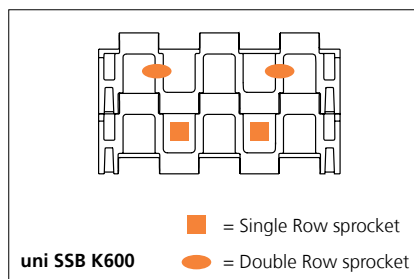
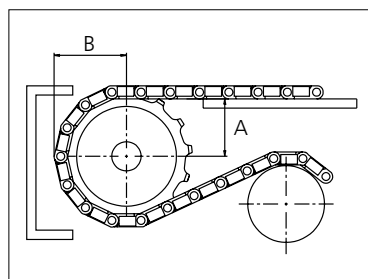
● Molded sprocket



■ Machined sprocket



● Machined sprocket



Belt material	POM		PP	
	N	lbf	N	lbf
uni SSB	2000	450	1200	270

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth: 15.0 mm/0.59 in

Width of sprocket: Single row = 42.3 mm (1.67 in)

Double row = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni SSB.

For more detailed sprocket information, contact Customer Service.



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